

Title (en)

Apparatus for supplying an air-fuel mixture to an internal combustion engine

Title (de)

Vorrichtung für die Zuführung einer Luft-Kraftstoffmischung an eine Brennkraftmaschine

Title (fr)

Dispositif d'alimentation d'un mélange air-combustible à un moteur à combustion interne

Publication

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Application

EP 94306663 A 19940912

Priority

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Abstract (en)

[origin: EP0701052A1] Apparatus for supplying an air-fuel mixture to an internal combustion engine, the apparatus comprising fuel control means (32) and an air metering device (1) for generating a control signal to be input to said fuel control means, said air metering device comprising casing means (10), a moveable member (14) disposed in said casing means so as to be moveable in response to airflow through said casing means to define Venturi means (13b) variable in accordance with movement of said moveable member, means (21) connected with said moveable member for resisting movement of said moveable member in the downstream direction of said airflow, linkage means (17) for linking said moveable member and said resisting force means such that a mechanical advantage is provided between said moveable member and said resisting force means, and means for inputting said control signal to the fuel control means, said inputting means comprising means associated with said linkage means for applying to said control valve means a displacement signal according to movement of the moveable member and/or pressure tap means (P1, P2) communicating with force generating means (24) for applying to said fuel control means a force proportional to a pressure differential signal according to variation of said Venturi means. <MATH>

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